

TRANSLATION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/RU2004/000264	International filing date (<i>day/month/year</i>) 09.07.2004	Priority date (<i>day/month/year</i>) 02.02.2004	
International Patent Classification (IPC) or national classification and IPC B44F1/00, B23K26/18			
Applicant MAXIMOVSKY, Sergei Nikolaevich			

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of _____ sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of 1 sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>

<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/RU	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/RU2004/000264

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

 - international search (Rule 12.3 and 23.1(b))
 - publication of the international application (Rule 12.4)
 - international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished
 the description:
 pages 1–5 _____ as originally filed/furnished
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____
 the claims:
 nos. _____ as originally filed/furnished
 nos.* _____ as amended (together with any statement) under Article 19
 nos.* 6 _____ received by this Authority on 16.08.2005
 nos.* _____ received by this Authority on _____
 the drawings:
 sheets 1/1 _____ as originally filed/furnished
 sheets* _____ received by this Authority on _____
 sheets* _____ received by this Authority on _____
 a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:

the description, pages _____
 the claims, nos. _____
 the drawings, sheets/figs _____
 the sequence listing (*specify*): _____
 any table(s) related to sequence listing (*specify*): _____
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages _____
 the claims, nos. _____
 the drawings, sheets/figs _____
 the sequence listing (*specify*): _____
 any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/RU2004/000264

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1–8	YES
	Claims		NO
Inventive step (IS)	Claims	1–8	YES
	Claims		NO
Industrial applicability (IA)	Claims	1–8	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents cited in the search report of the Federal Institute of Industrial Property:

D1: WO 0138940 A2

D2: US 4511595 A

D3: SU 1831436 A

D1 discloses a method for producing a metallised image on a sheet material, consisting in that a metal is applied on the sheet material, a layer of wax and a glass coating being applied on the sheet material, and they are exposed in specified points to a means ensuring fusion of the metal and the sheet material at these points.

The method according to claim 1 differs from the prior art in that a solution containing a metal salt is applied to a sheet material, and the sheet material is permeated with this solution; metal from the solution is caused to settle in specified points of the surface of the sheet material, and an image is formed from the combination of the metallised points.

The device according to claim 8 for implementing the claimed method is characterised

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Box No. V **Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

in that the means for applying metal on a sheet material is embodied in the form of a container with a solution comprising a metal salt, and an appliance for permeating the sheet material with this solution, and a means for fusing the metal to the sheet material is embodied in the form of a laser radiation pulse generator and a unit for focusing these pulses on the specified points on the surface of the sheet material in order that metal from the solution settles at these points.

Owing to the above-mentioned distinctive features, an original metallised image is created, not reproducible by other means, securely protected from counterfeit, and enabling a personalised image to be created without first making a special mold.

The above distinctive features of the claimed inventions are not known from the prior art.

Therefore, the claimed invention according to claims 1-7 and the device according to claim 8 meet the requirements of novelty and inventive step.

Claims 1-8 meet the requirement of industrial applicability.